

» The New PowerControl DX

The Next Level of Injector Tuning.

Perfect precision. Fully online. Endless possibilities.

DTE Systems proudly announces the release of its brand-new high-end tuning system, the PowerControl DX. PowerControl DX is the most flexible system to develop new tuning applications, including injection control, analogue, PWM or digital SENT sensor tuning. With its new DXpand port, DTE introduces a versatile expansion option to manage external devices, such as exhaust valves, fuel-pumps or suspension systems. PowerControl DX offers continuous engine logging and analytics and thus opens the space for custom-tuning based on real load patterns – all online via the PowerControl smartphone app.



15x Higher precision, new filtering technologies & more channels

The new PowerControl DX is using the latest generation of automotive-grade ARM multi-core microcontrollers. Each core supports up to 15x the speed of our previous single-core PDI and PDX devices and enables much more precise injection tracking and injection control. Newly designed signal filtering and brand-new protocol handling incorporating analog and digital SENT channels makes the DX the most flexible, most reliable and most powerful tuning system of DTE.

Remote engine analytics and custom tuning. (coming soon)

- › PowerControl DX is equipped with sufficient storage to log critical information on the engine while the vehicles are in normal operation. No need for extensive dyno runs to analyze engines, load patterns and driving profiles anymore. Based on this real-life information, fully customized engine optimizations are for the first time ever possible. Relevant engine and driving profile logs can be remotely analyzed to create the perfect customized tune – specific to the vehicle, the real driving and load profile.
- › PowerControl DX can be remotely updated at the touch of the driver's smartphone. No need for on-site service appointments or deinstallations anymore.

Ease of use with Smartphone connectivity.

- › Drivers can now easily manage their tuning system, deciding on the go to turn on or off their tuning, switch between Sports, Dynamic or Efficiency programs and configure the warm-up timer to their needs. With the integrated 3-coloured system button on the PowerControl DX, the device can also be configured with a press of a key anytime.
- › The innovative live instrumentation panels offers live insights into relevant engine data, such as current injection length, turbo or boost pressure and g-force.
- › The new external Connect module including a Bluetooth 4.0 chip can be freely positioned for best smartphone connectivity.

Quantum leap in quality.

- › Reliability and longevity were among the key priorities in developing DX. With fully redesigned hardware and circuits, improved filtering and safety components, DX operates safely in all environments and set-ups.
- › The new DX combines 25 years of experience into a state-of-the art tuning device. Reliability and longevity are the most critical aspects in the design of DX coming with an all-new automotive-grade and water-sealed Molex CMC connector combined with DTE's in-house harness design and manufacturing know-how. Glass-fiber housings and epoxy-protected circuits ensure that your customers will enjoy their tuning solution in the long run.

Controlling third-party tuning devices.

- › DX comes with a versatile DXport expansion slot to offer feature add-ons, custom-made to your needs. With these DXport modules, the system can be configured to flexibly control additional third-party devices, such as high-flow fuel pumps, exhaust valves, sound systems, suspensions or differentials or use further inputs such as switches, CAN bus information or specialized sensors. If you require specialized tuning channels, also these can be added to your needs.

Future-proof. All in one.

Thanks to its new multi-layered hardware design, the new PowerControl DX packs all new features into a compact design. The new DX is capable of tuning up to 8 injectors and up to 6 analogue, PWM or digital SENT channels. Camshaft and crankshaft channels are included. With the DXport further analogue, PWM and digital channels can be expanded, as well as customer-specific protocol or bus connections.

Plus. All the great features of our proven injection technology.

- › 3 adjustable tuning programs controllable via integrated keypad or via smartphone app.
- › Live oscilloscope with datalogging and injection mapping for engine diagnostics and Tuning development
- › High degree of customization due to flexible input/output channel configurations
- › Granular multi-dimensional mappings and configurable interdependencies for all connected channels (RPM, pressure, temperature, etc.)
- › Broad set of existing vehicle applications and harnesses, custom-made designs possible. (All existing PDI10 and PDX applications will be covered by DX except older w/ 3 drive lines).